

THE FOLLOWING IS CLAIMED:

1. An adjustable pedal assembly comprising a stationary plate, a sliding mounting plate that is movable relative to the stationary plate wherein the sliding mounting plate receives at least one pedal, and a drive mechanism for displacing the sliding mounting
5 plate relative to the stationary mounting plate.

2. A pedal assembly for a vehicle comprising a first plate, a second plate that is movable relative to the first plate wherein the second plate receives a foot operated brake pedal, and a movement mechanism for adjusting the position of the second plate relative to the first plate.

10 3. A pedal assembly for a vehicle comprising a first plate mounted horizontally relative to a floor of the vehicle, a second plate that is movable in forward and backward directions relative to the first plate wherein a foot operated brake pedal and a foot operated throttle control pedal are movable with the second plate, and means for changing the position of the second plate relative to the first plate.

15 4. The adjustable pedal assembly of Claim 1 wherein the drive mechanism comprises a drive screw.

5. The pedal assembly of Claim 2 wherein the movement mechanism comprises an electronic control mechanism and wherein the limits of adjustment are controlled by at least two limit switches.

20 6. The pedal assembly of Claim 3 wherein the foot operated throttle control comprises an electronic throttle control foot pedal.

7. The pedal assembly of Claim 3 wherein a spacer plate is located between the first and second plates.

8. The pedal assembly of Claim 3 wherein the movement mechanism comprises a drive screw operated by an electric motor.

9. The pedal assembly of Claim 5 wherein said limit switches are located within slots defined in the first plate.

5 10. The pedal assembly of Claim 3 wherein the first and second plates define at least partially overlapping openings in order to provide interconnection to the braking and throttle of the vehicle.

11. The adjustable pedal assembly of Claim 4 wherein the drive screw is adjacent to a means for operating the drive screw.

10 12. The adjustable pedal assembly of Claim 1 further comprises a shield at least partially covering the drive mechanism.

13. The adjustable pedal assembly of Claim 12 wherein said shield is displaced with said sliding plate.

14. The adjustable pedal assembly of Claim 12 wherein said shield is stationary
15 relative to the sliding plate.

15. The adjustable pedal assembly of Claim 5 wherein the movement mechanism comprises an electric motor and said electronic control means cause polarity within said motor to vary.

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